



REGIONAL SPECIALISED METEOROLOGICAL CENTRE -TROPICAL CYCLONES, NEW DELHI SPECIAL TROPICAL WEATHER OUTLOOK

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 30.07.2026

SPECIAL TROPICAL WEATHER OUTLOOK FOR THE NORTH INDIAN OCEAN (THE BAY OF BENGAL AND THE ARABIAN SEA) VALID FOR THE NEXT 168 HOURS ISSUED AT 1500 UTC OF 30.07.2026 BASED ON 1200 UTC OF 30.07.2026.

Sub: Depression over east Vidarbha and adjoining westcentral Chhattisgarh

The Deep Depression over westcentral Chhattisgarh and adjoining areas of Vidarbha & southeast Madhya Pradesh moved west-southwestwards with a speed of 7 kmph during past 6 hours, weakened into a depression and lay centred at 1200 UTC of today, the 30th July 2026, over east Vidarbha and adjoining westcentral Chhattisgarh near latitude 20.8°N and longitude 80.4°E, 60 km east-northeast of Bramhapuri (42946, Maharashtra), 80 km southeast of Gondia (42871, Maharashtra), 140 km east-southeast of Nagpur (42866, Maharashtra), 190 km east of Wardha (42939, Maharashtra) and 270 km east of Amraoti (42937, Maharashtra).

It is likely to move west-northwestwards across Vidarbha & adjoining south Madhya Pradesh as a depression during next 24 hours.

The estimated central pressure is 990 hPa. The associated maximum sustained wind speed is 25 kt gusting to 35 kt.

Brahmapuri (42946, Maharashtra) reported mean sea level pressure (MSLP) as 990.7 hPa, pressure change in past 24 hrs (P24) as -2.2 hPa, departure from normal (Dep) as -9.2 hPa. Gondia (42871, Maharashtra) reported MSLP as 990.9 hPa, P24 as -1.3 hPa and Dep as -7.9 hPa.

As per INSAT 3DS imagery at 1200 UTC of 30th July, associated scattered to broken low & medium clouds with embedded intense to very intense convection over South Madhya Pradesh, Vidarbha, Marathwada, Madhya Maharashtra, South Chhattisgarh, South Odisha, Telangana, Rayalaseema, coastal Andhra Pradesh, westcentral Bay of Bengal (minimum Cloud Top Temperature is -70 to -90°C).

REMARKS:

The low level vorticity has decreased in past 3 hours and is about $100 \times 10^{-6} \text{ s}^{-1}$ to the south of system. Vertically, it is extending upto 500 hPa level. The low level convergence is the same in past 6 hours and is around $20 \times 10^{-6} \text{ s}^{-1}$ over the system area. Upper level divergence has decreased in past 6 hours and is around $10 \times 10^{-6} \text{ s}^{-1}$ over system area. Vertical wind shear of horizontal wind is moderate 15-20 kt over the system area and is likely to become high as the system moves across Vidarbha. These features led to weakening of the system into a depression.

However, the guidance from NCICS model indicates westerly wind anomaly (3-5 mps) alongwith prevalence of Equatorial Rossby wave (ERW) over south peninsular India and easterly wind anomaly (>9 mps) alongwith passing Kelvin wave (KW) to its north. The system is also getting moisture feedback from south Arabian Sea. These features are likely to support the system to maintain its intensity of depression during next 12-24 hours.

Guidance from numerical models:

Most of the models (ECMWF, GFS) are capturing the system as a depression. It is indicated to move west-northwestwards during next 24 hrs.

Based on the observations and guidance from various numerical models:

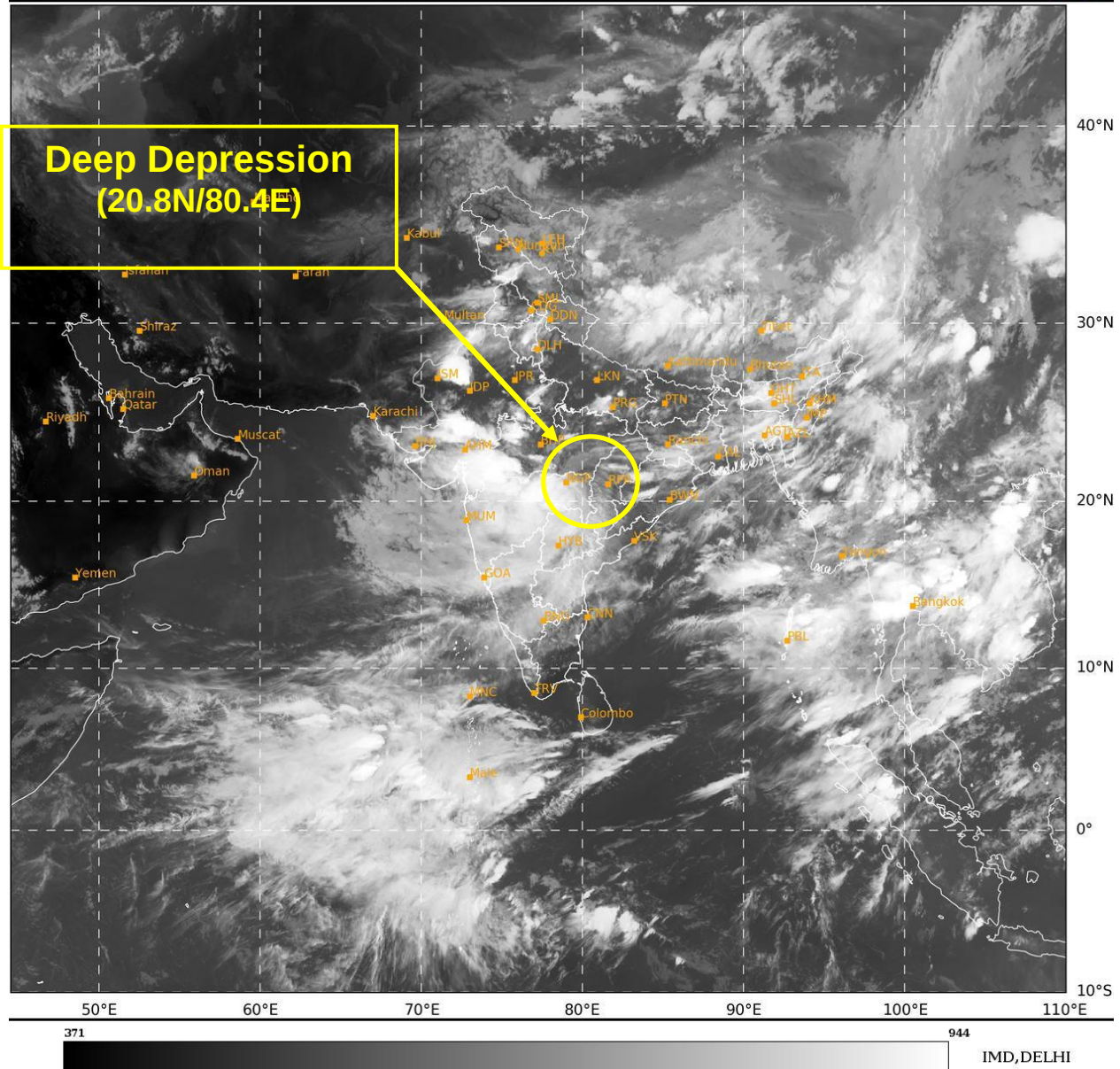
Confidence Level in estimation of current location and intensity: **High**

Confidence Level in prediction of forecast track: **Moderate**

Confidence Level in prediction of forecast intensity: **High**

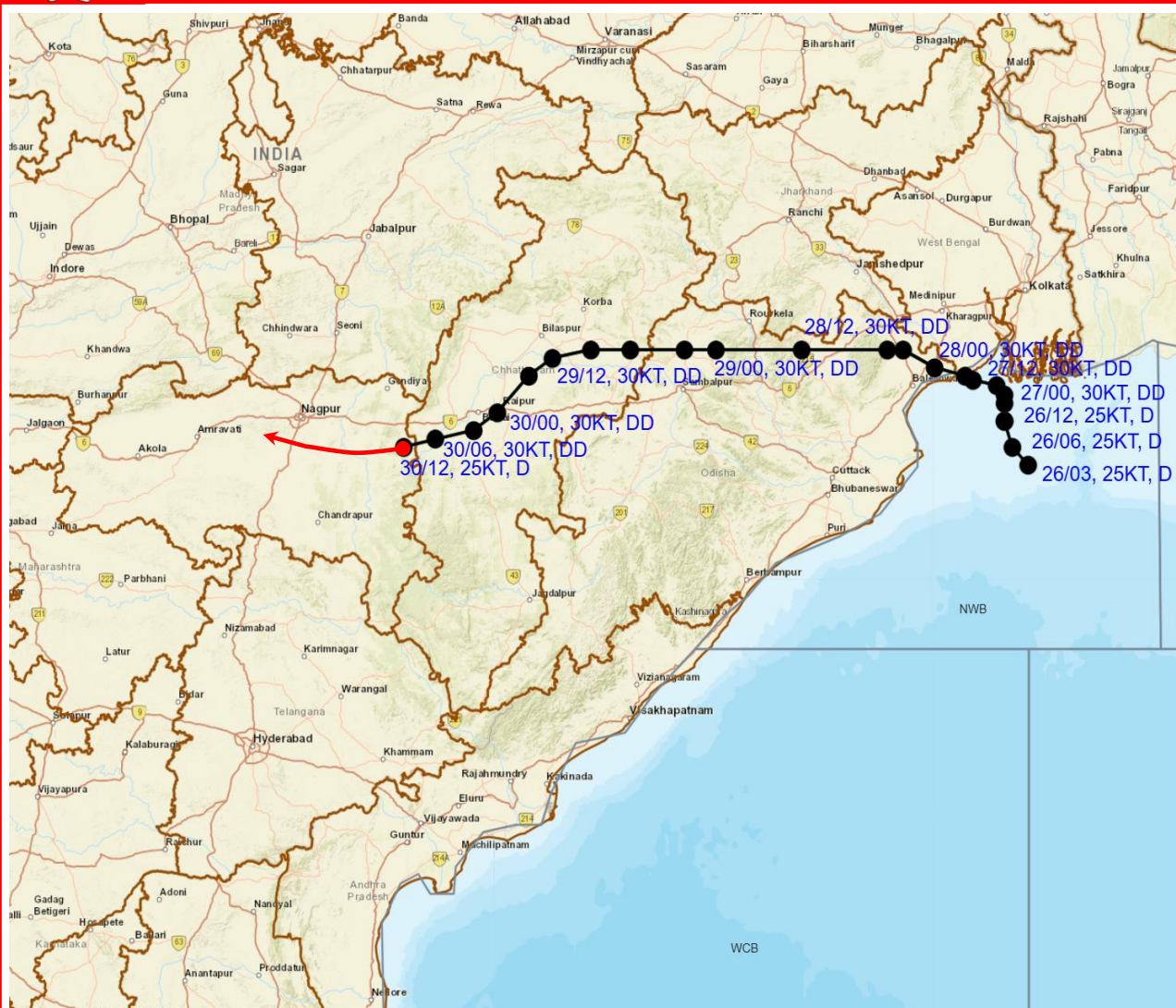
Considering all the above, the depression over **east Vidarbha and adjoining westcentral Chhattisgarh** is very likely to move west-northwestwards across Vidarbha & adjoining south Madhya Pradesh as a depression during next 24 hours.

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OBSERVED AND FORECAST TRACK OF DEPRESSION OVER EAST VIDARBHA AND ADJOINING WESTCENTRAL CHHATTISGARH BASED ON 1200 UTC (1730 Hrs. IST) OF 30TH JULY 2026.



DATE/TIME IN UTC

IST=UTC + 0530

L: LOW PRESSURE AREA

WML: WELL MARKED LOW PRESSURE AREA

D: DEPRESSION (17-27 KT)

DD: DEEP DEPRESSION (28-33 KT)

CS: CYCLONIC STORM (34-47 KT)

SCS: SEVERE CYCLONIC STORM (48-63KT)

VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)

ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

● LESS THAN 34 KT

○ 34-47 KT

○ ≥ 48 KT

— OBSERVED TRACK

— FORECAST TRACK

▲ CONE OF UNCERTAINTY

Forecast distance (km) and direction of the centre from nearest 5 coastal stations

Forecast Date and Time	Lead Period (hrs)	Lat	Lon	Station 1	Station 2	Station 3	Station 4	Station 5
30.07.26/1200	0	20.8	80.4	BRAMHAPURI (60, ENE)	GONDIA (80, SSE)	NAGPUR (140, ESE)	WARDHA (190, E)	AMRAOTI (270, E)

Cloud distribution: (a) Isolated: <25%, Scattered:25-50%, Broken: 51-75%, Solid:>75%, Convection Intensity: (a) Weak: Cloud Top Temperature(CTT)>-25°C, (b) Moderate: CTT:-25°Cto-40°C, (c) Intense: CTT: -41°Cto -70°C and (d) Very Intense::Less than -70°C Probability of cyclogenesis (formation of depression) :NIL:0%, LOW:1-33%, MODERATE:34-66% and HIGH:67-100%

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